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Sequence Listing was accepted.

See attached Validation Report.

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Reviewer: Durreshwar Anjum

Timestamp: [year=2011; month=3; day=11; hr=15; min=48; sec=50; ms=267;]

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Application No: 10593384 Version No: 2.0

Input Set:

Output Set:

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Finished: 2011-02-28 15:02:03.816
Elapsed: 0 hr(s) 0 min(s) 0 sec(s) 400 ms
Total Warnings: 0
Total Errors: 1
No. of SeqIDs Defined: 33
Actual SeqID Count: 33

Error code	Error Description
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SEQUENCE LISTING

<110> Ajit Lalvani

<120> Diagnostic Test

<130> HO-P03388US0

<140> 10593384

<141> 2011-02-28

<150> PCT/GB2005/001062

<151> 2005-03-21

<150> GB 0406271.7

<151> 2004-03-19

<160> 33

<170> PatentIn version 3.2

<210> 1

<211> 729

<212> PRT

<213> Mycobacterium tuberculosis

<400> 1

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Pro	Gly	Gly	Trp	Val	Glu	Ala	Asp	Glu	Asp	Thr	Phe	Tyr	Asp	Arg	Ala
			20					25					30		

Gln	Glu	Tyr	Ser	Gln	Val	Leu	Gln	Arg	Val	Thr	Asp	Val	Leu	Asp	Thr
		35					40					45			

Cys	Arg	Gln	Gln	Lys	Gly	His	Val	Phe	Glu	Gly	Gly	Leu	Trp	Ser	Gly
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Gly	Ala	Ala	Asn	Ala	Ala	Asn	Gly	Ala	Leu	Gly	Ala	Asn	Ile	Asn	Gln
65				70						75					80

Leu	Met	Thr	Leu	Gln	Asp	Tyr	Leu	Ala	Thr	Val	Ile	Thr	Trp	His	Arg
			85						90					95	

His	Ile	Ala	Gly	Leu	Ile	Glu	Gln	Ala	Lys	Ser	Asp	Ile	Gly	Asn	Asn
			100					105					110		

Val Asp Gly Ala Gln Arg Glu Ile Asp Ile Leu Glu Asn Asp Pro Ser
115 120 125

Leu Asp Ala Asp Glu Arg His Thr Ala Ile Asn Ser Leu Val Thr Ala
130 135 140

Thr His Gly Ala Asn Val Ser Leu Val Ala Glu Thr Ala Glu Arg Val
145 150 155 160

Leu Glu Ser Lys Asn Trp Lys Pro Pro Lys Asn Ala Leu Glu Asp Leu
165 170 175

Leu Gln Gln Lys Ser Pro Pro Pro Pro Asp Val Pro Thr Leu Val Val
180 185 190

Pro Ser Pro Gly Thr Pro Gly Thr Pro Gly Thr Pro Ile Thr Pro Gly
195 200 205

Thr Pro Ile Thr Pro Gly Thr Pro Ile Thr Pro Ile Pro Gly Ala Pro
210 215 220

Val Thr Pro Ile Thr Pro Thr Pro Gly Thr Pro Val Thr Pro Val Thr
225 230 235 240

Pro Gly Lys Pro Val Thr Pro Val Thr Pro Val Lys Pro Gly Thr Pro
245 250 255

Gly Glu Pro Thr Pro Ile Thr Pro Val Thr Pro Pro Val Ala Pro Ala
260 265 270

Thr Pro Ala Thr Pro Ala Thr Pro Val Thr Pro Ala Pro Ala Pro His
275 280 285

Pro Gln Pro Ala Pro Ala Pro Ala Pro Ser Pro Gly Pro Gln Pro Val
290 295 300

Thr Pro Ala Thr Pro Gly Pro Ser Gly Pro Ala Thr Pro Gly Thr Pro
305 310 315 320

Gly Gly Glu Pro Ala Pro His Val Lys Pro Ala Ala Leu Ala Glu Gln
325 330 335

Pro Gly Val Pro Gly Gln His Ala Gly Gly Gly Thr Gln Ser Gly Pro

340	345	350
Ala His Ala Asp Glu Ser Ala Ala Ser Val Thr Pro Ala Ala Ala Ser		
355	360	365
Gly Val Pro Gly Ala Arg Ala Ala Ala Ala Ala Pro Ser Gly Thr Ala		
370	375	380
Val Gly Ala Gly Ala Arg Ser Ser Val Gly Thr Ala Ala Ala Ser Gly		
385	390	395 400
Ala Gly Ser His Ala Ala Thr Gly Arg Ala Pro Val Ala Thr Ser Asp		
405	410	415
Lys Ala Ala Ala Pro Ser Thr Arg Ala Ala Ser Ala Arg Thr Ala Pro		
420	425	430
Pro Ala Arg Pro Pro Ser Thr Asp His Ile Asp Lys Pro Asp Arg Ser		
435	440	445
Glu Ser Ala Asp Asp Gly Thr Pro Val Ser Met Ile Pro Val Ser Ala		
450	455	460
Ala Arg Ala Ala Arg Asp Ala Ala Thr Ala Ala Ala Ser Ala Arg Gln		
465	470	475 480
Arg Gly Arg Gly Asp Ala Leu Arg Leu Ala Arg Arg Ile Ala Ala Ala		
485	490	495
Leu Asn Ala Ser Asp Asn Asn Ala Gly Asp Tyr Gly Phe Phe Trp Ile		
500	505	510
Thr Ala Val Thr Thr Asp Gly Ser Ile Val Val Ala Asn Ser Tyr Gly		
515	520	525
Leu Ala Tyr Ile Pro Asp Gly Met Glu Leu Pro Asn Lys Val Tyr Leu		
530	535	540
Ala Ser Ala Asp His Ala Ile Pro Val Asp Glu Ile Ala Arg Cys Ala		
545	550	555 560
Thr Tyr Pro Val Leu Ala Val Gln Ala Trp Ala Ala Phe His Asp Met		
565	570	575

Thr Leu Arg Ala Val Ile Gly Thr Ala Glu Gln Leu Ala Ser Ser Asp
580 585 590

Pro Gly Val Ala Lys Ile Val Leu Glu Pro Asp Asp Ile Pro Glu Ser
595 600 605

Gly Lys Met Thr Gly Arg Ser Arg Leu Glu Val Val Asp Pro Ser Ala
610 615 620

Ala Ala Gln Leu Ala Asp Thr Thr Asp Gln Arg Leu Leu Asp Leu Leu
625 630 635 640

Pro Pro Ala Pro Val Asp Val Asn Pro Pro Gly Asp Glu Arg His Met
645 650 655

Leu Trp Phe Glu Leu Met Lys Pro Met Thr Ser Thr Ala Thr Gly Arg
660 665 670

Glu Ala Ala His Leu Arg Ala Phe Arg Ala Tyr Ala Ala His Ser Gln
675 680 685

Glu Ile Ala Leu His Gln Ala His Thr Ala Thr Asp Ala Ala Val Gln
690 695 700

Arg Val Ala Val Ala Asp Trp Leu Tyr Trp Gln Tyr Val Thr Gly Leu
705 710 715 720

Leu Asp Arg Ala Leu Ala Ala Ala Cys
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<213> Mycobacterium tuberculosis

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<212> PRT
<213> Mycobacterium tuberculosis

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<213> Mycobacterium tuberculosis

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<213> Mycobacterium tuberculosis

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Ser Gln Val Leu Gln Arg Val Thr Asp Val Leu Asp Thr Cys Arg
1 5 10 15

<210> 10
<211> 15
<212> PRT
<213> Mycobacterium tuberculosis

<400> 10

Arg Val Thr Asp Val Leu Asp Thr Cys Arg Gln Gln Lys Gly His
1 5 10 15

<210> 11
<211> 15
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<213> Mycobacterium tuberculosis

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Leu Asp Thr Cys Arg Gln Gln Lys Gly His Val Phe Glu Gly Gly
1 5 10 15

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Gln Gln Lys Gly His Val Phe Glu Gly Gly Leu Trp Ser Gly Gly
1 5 10 15

<210> 13
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<213> Mycobacterium tuberculosis

<400> 13

Val Phe Glu Gly Gly Leu Trp Ser Gly Gly Ala Ala Asn Ala Ala

1 5 10 15

<210> 14
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<213> Mycobacterium tuberculosis

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Leu Trp Ser Gly Gly Ala Ala Asn Ala Ala Asn Gly Ala Leu Gly
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<210> 15
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<213> Mycobacterium tuberculosis

<400> 15

Ala Ala Asn Ala Ala Asn Gly Ala Leu Gly Ala Asn Ile Asn Gln
1 5 10 15

<210> 16
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<213> Mycobacterium tuberculosis

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Asn Gly Ala Leu Gly Ala Asn Ile Asn Gln Leu Met Thr Leu Gln
1 5 10 15

<210> 17
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<213> Mycobacterium tuberculosis

<400> 17

Ala Asn Ile Asn Gln Leu Met Thr Leu Gln Asp Tyr Leu Ala Thr
1 5 10 15

<210> 18
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Leu Met Thr Leu Gln Asp Tyr Leu Ala Thr Val Ile Thr Trp His
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<210> 19
<211> 95
<212> PRT
<213> Mycobacterium tuberculosis

<400> 19

Met Thr Glu Gln Gln Trp Asn Phe Ala Gly Ile Glu Ala Ala Ala Ser
1 5 10 15

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20 25 30

Lys Gln Ser Leu Thr Lys Leu Ala Ala Ala Trp Gly Gly Ser Gly Ser
35 40 45

Glu Ala Tyr Gln Gly Val Gln Gln Lys Trp Asp Ala Thr Ala Thr Glu
50 55 60

Leu Asn Asn Ala Leu Gln Asn Leu Ala Arg Thr Ile Ser Glu Ala Gly
65 70 75 80

Gln Ala Met Ala Ser Thr Glu Gly Asn Val Thr Gly Met Phe Ala
85 90 95

<210> 20
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<212> PRT
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20 25 30

Glu Ser Thr Ala Gly Ser Leu Gln Gly Gln Trp Arg Gly Ala Ala Gly
35 40 45

Thr Ala Ala Gln Ala Ala Val Val Arg Phe Gln Glu Ala Ala Asn Lys
50 55 60

Gln Lys Gln Glu Leu Asp Glu Ile Ser Thr Asn Ile Arg Gln Ala Gly
65 70 75 80

Val Gln Tyr Ser Arg Ala Asp Glu Glu Gln Gln Gln Ala Leu Ser Ser
85 90 95

Gln Met Gly Phe
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<210> 21
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Tyr Phe Ile Arg Met Trp Asn Gln Ala Ala Leu Ala Met Glu Val
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Glu Ser Leu Val Ser Asp Gly Leu Pro Gly Val Lys Ala Ala Leu
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Leu Val Ala Thr Asn Phe Phe Gly Ile Asn Thr Ile Pro Ile Ala
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<212> PRT

<213> Mycobacterium tuberculosis

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Leu Met Ala Thr Asn Phe Phe Gly Ile Asn Thr Ile Pro Ile Ala
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<212> PRT

<213> Mycobacterium tuberculosis

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Met Val Ala Thr Asn Phe Phe Gly Ile Asn Thr Ile Pro Ile Ala
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<212> PRT

<213> Mycobacterium tuberculosis

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His Tyr Gly Glu Met Trp Ala Gln Asp Ala Leu Ala Met Tyr Gly
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<210> 30

<211> 15

<212> PRT

<213> Mycobacterium tuberculosis

<400> 30

Asp Tyr Val Arg Met Trp Leu Gln Ala Ala Ala Val Met Gly Leu
1 5 10 15

<210> 31

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<212> PRT

<213> Mycobacterium tuberculosis

<400> 31

Gln Tyr Ala Glu Met Trp Ser Gln Asp Ala Met Ala Met Tyr Gly
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<211> 61

<212> PRT

<213> Mycobacterium tuberculosis

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Met Ala Thr Thr Pro Ser Leu Pro Glu Ile Ala Ala Asn His Ile Thr
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Gln Ala Val Leu Thr Ala Thr Asn Phe Phe Gly Ile Asn Thr Ile Pro
20 25 30

Ile Ala Leu Thr Glu Met Asp Tyr Phe Ile Arg Met Trp Asn Gln Ala
35 40 45

Ala Leu Ala Met Glu Val Tyr Gln Ala Glu Thr Ala Val
50 55 60

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<211> 52

<212> PRT

<213> Mycobacterium tuberculosis

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Ala Met Val Pro Pro Pro Val Val Ala Ala Asn Arg Ala Gln His Met
1 5 10 15

Ser Leu Val Ala Thr Asn Phe Phe Gly Gln Asn Thr Pro Ala Ile Ala
20 25 30

Ala Thr Glu Ala Gln Tyr Glu Glu Met Trp Ala Gln Asp Ala Ala Ala
35 40 45

Met Tyr Gly Tyr
50